

# Lloyd's Register of Shipping

## SURVEYS FOR FREEBOARD.—STEAM SHIPS.

EXT  
ed 30/8/32

SUNDERLAND RPT. NO. 27283

PARTICULARS RELATING TO ~~THE~~ STEAM SHIP ~~EITHER FLUSH DECKED, OR WITH TOP GALLANT FORECASTLES, SHORT POOPS AND BRIDGE HOUSES DISCONNECTED, OR WITH TOP GALLANT FORECASTLES HAVING LONG POOPS, OR RAISED QUARTER DECKS CONNECTED WITH BRIDGE HOUSES, OR OTHERWISE.~~

Port of Survey SUNDERLAND  
Date of Survey 20<sup>th</sup> APRIL 1920  
Name of Surveyor James Dickie

S.P. AUSTIN & SON.

Ship's Name. <u>S.S. "LYS."</u>	Port of Registry and Nationality. <u>LONDON BRITISH.</u>	Official Number. <u>144520.</u>	Gross Tonnage. <u>1830.</u>	Date of Build. <u>1920</u>	Particulars of Classification. <u>100A1. CONTEMPLATED.</u>
Number in Register Book <u>YARD. 290</u>					

LENGTH. <u>260.0</u>	BREADTH. <u>37.50</u>	DEPTH. <u>17.50</u>	UNDER DECK TONNAGE. <u>1384.19</u>
<u>259.5</u>	Frame Depth Rule <u>8</u> <u>5</u> <u>3</u> <u>-50</u>	Ceiling } <u>+20</u> Sheer } <u>+72</u>	Peak } <u>INCREASED HEIGHT OF DOUBLE BOTTOM.</u> Tanks } <u>ART. 45 TONS FOR 7 TONS.</u>
<u>259.5</u>	<u>37.00</u>	<u>18.42</u>	<u>1396.19</u>

Moulded Depth as measured..... 19'8"

Addition for Keel below base line for draught record..... 1 3/4 inches.

NOTE.— If the depth is measured when vessel is afloat, the details of measurement should be reported.

### CORRECTION FOR LENGTH.

Length of Ship on Loadline.....	<u>259.5</u>
Length in Table .....	<u>236</u>
Difference .....	<u>23.5</u>
Correction for 10ft., Table A. ....	<u>1.133</u> Table C. ✓
× Difference divided by 10 .....	<u>2.66</u> (if required.)
If 1/10ths length covered divide by 2	<u>1.33 + 1/4</u>

### CORRECTION FOR IRON DECK.

Proportion covered, if less than 1/10ths length covered .....	<u>.707</u>
Thickness of usual wood deck, less stringer .....	<u>3 1/2</u>

NOTE.— The round of beam should be reported on the full breadth of vessel at the gunwale.

### CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships.....	<u>36'0"</u>
Round of Beam .....	<u>9 1/4</u>
Normal round.....	<u>9</u>
Difference .....	<u>1/4</u> ÷ 2 = .....
Proportion of Deck uncovered (Para. 19) .....	✓ ✓

fineness..... .789  
tion necessary } Bell Double Bottom - .02  
(e) to (e)]\* }  
corrected ..... .77

post ... 34 } 120 ÷ 2 = 60 ... Mean 34/55 = 61.82  
36 }

the length from { Stem 47 } 68 ÷ 2 = 34 ... Mean  
                          { Sternpost 21 }

an Sheer 60.0 + 61.82 = 60.91  
an Sheer [Table, Para. 18] ..... 35.95 Correction  
Difference..... 24.96 ÷ 4 = 6.24  
as Para. 18 (f) ..... -6 1/4

er { At front of bridge house..... ✓  
ips }  
)] { At after end of forecastle ..... ✓

er { ✓ ÷ 2 = ✓  
(a) }  
vered ..... Correction ✓

### ALLOWANCE FOR DECK ERECTIONS:—

Table C.....	<u>1.3 3/4</u>
or Length, if required (Para. 12, 13, and 14) .....	✓
y Table A. corrected for sheer, and for length, if required (Para. 12, 13, and 14) }	<u>3.3 3/4</u>
.....	<u>1.11 1/2</u>
s below.....	<u>56.05</u>
	<u>-13.17</u>
	<u>+ 1.95 - 13.17 = 11.24</u>

er R. Q. Dk. if engine and boiler openings not } + 2  
l by bridge house (Para. 11) }  
er Deck Erections ..... - 11 1/4

Length.	Length allowed.	Height.
<u>29.5</u>	<u>29.5</u>	<u>7'6"</u>
<u>154'0"</u>	<u>154'0"</u>	<u>4'9"</u>
	<u>183.5</u>	
	<u>259.5</u>	<u>.707</u>

g percentage { 56.05%  
(12, 13, or 14) }

BOARD recommended amidships from centre of Disc to top of Statutory Deck Line,	
Fresh Water Line	above centre of Disc
Indian Summer Line	" " "
Winter Line	below " " "
Winter North Atlantic Line	" " "

23.4.20

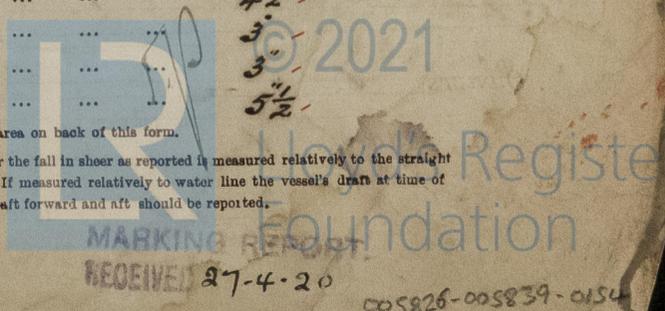
Freeboard, Table A .....	<u>3'9 1/2</u>
Correction for Sheer .....	<u>- 6 1/4</u>
	<u>3'3 1/4</u>
Correction for Length .....	<u>+ 1 1/4</u>
	<u>3'4 1/2</u>
Allowance for Deck Erections .....	<u>- 11 1/4</u>
	<u>2'5 1/4</u>
Correction for Round of Beam.....	✓
Correction for fall in Sheer (if any).....	✓
Correction for Iron Deck (if required) .....	<u>- 3 1/2</u>
	<u>2'1 3/4</u>
Additions for non-compliance with provisions of } Para. 11 (d) and (e) † } Other Corrections (if any) <u>Height of R. Q. Dk.</u> .....	<u>4'9"</u>

Winter Freeboard .....	<u>6'10 3/8 3/4</u>
Summer Freeboard .....	<u>- 3"</u>
Indian Summer Freeboard .....	<u>- 3"</u>
N. A. Winter Freeboard .....	<u>+ 2 1/2</u>
	<u>7'1" 1/4</u>

Correction necessary because clearside amidships, measured in accordance with the Statute is not taken at the intersection of the wood or iron deck with side. + 1 1/2

Winter Freeboard from deck line .....	<u>7'0" 1/4</u>
Summer " " " " .....	<u>6'9" 1/4</u>
Indian Summer " " " " .....	<u>6'6" 1/4</u>
N. A. Winter " " " " .....	<u>7'2 1/2 3/4</u>
Raised Quarter Wood (Iron) Deck:—	<u>6'9"</u>
	<u>4 1/2</u>
	<u>3</u>
	<u>5 1/2</u>

† If the frames, skin planking, or ceiling are of unusual thickness the breadth of vessel to inside of ceiling should be reported if possible.  
‡ In vessels obtaining an allowance for deck erections under Para. 11 where the sheer drops abaft amidships the height of the R.Q.D. is to be taken from the level of the top of the amidship beam.  
§ In flush-decked vessels the total standard mean sheer means the sheer measured at the stem and stern-post. In vessels having poops and forecastles, it means the sheer measured at points distant one-eighth of the vessel's length from stem and stern-post.



Do all the Frames extend to the top height in the Poop?  Raised Quarter Deck?  Bridge House?  Forecastle?

To what height do the Reverse Frames extend? *Bulk angle framing*

Has the Poop or Raised Quarter Deck an efficient Iron Bulkhead at the fore end?

Give particulars of the means for closing the openings in Bulkhead *no openings*

Is the Poop or Raised Quarter Deck connected with the Bridge House?  Has the Bridge House an efficient Bulkhead at the fore end?

Give particulars of the means for closing the openings in Bulkhead

What is the thickness of the Bridge Front plating? *.34* and Coaming plate? *.34*

Give scantlings and spacing of the Stiffeners *6 x 3 x .35 Bulk angles, spaced 21" apart between diaphragms.*

Are bracket plates fitted at each end of the Stiffeners?  Are hor'l. brackets fitted connecting Bridge Bulk'd. with Bulwarks?

Has the Bridge House an efficient Iron Bulkhead at the after end?

How are the openings closed?

Is the Forecastle at least as high as the main or top-gallant rail?  Has the Forecastle an efficient Iron or Wood Bulk'd. at after end?

Are the Engine and Boiler openings covered by a Bridge, Poop, Raised Quarter Deck, or enclosed by a Strong Iron or Steel Deckhouse?

If the openings are not so protected are the exposed parts of the Casings efficiently constructed?

Give thickness of plating; scantlings and spacing of Stiffeners

What is the height of the exposed Casings? *7'0"* Are suitable means provided for closing all openings in them in bad weather?

Are the Weather Deck Hatchways efficiently constructed and at least equal to the requirements of Section 28 of the Rules for 1904-5? Give particulars below:—

Position and Size.	No. 1. For 24' 9" x 25' 0" x 21' 3"		No. 2. For 38' 6" x 26' 4"		No. 3. Aft. 30' 3" x 25' 0"		No. 4. Aft. 24' 6" x 25' 0" x 24' 8"		Ship.	Rule.	
	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.			
COAMING.											
Height above top of DECK	42		42		48		48				
Thickness	Sides	.50	.50	.50	.50	.50	.50	.50			
	Ends	.44	.44	.44	.44	.44	.44	.44			
SHIFTING BEAMS OR WEB PLATES	Number	4	7	7	5	5	4	4			
	Section and Scantlings	<i>3 1/2 x 3 1/2 x 50</i>		<i>SAME AS NO. 1</i>		<i>3 1/2 x 3 1/2 x 50</i>		<i>SAME AS NO. 1</i>			
	Material	<i>3 1/2 x 1/2 HALF ROUND STEEL</i>		<i>STEEL</i>		<i>3 1/2 x 1/2 HALF ROUND STEEL</i>		<i>STEEL</i>			
* FORE AND AFTERS.	Number										
	Section and Scantlings	<i>NO FORE AND AFTERS</i>									
	Material										
HATCHES Thickness	3	3	3	3	3	3	3	3			
Remarks	<i>SATISFACTORY.</i>										

\* The depth of Fore and Afters should be stated from the underside of the hatches in all cases.  
 (If the sill of the lowest side scuttle will be less than 6 inches above the Indian Summer Load Line if assigned under the tables, state vertical distance from top of deck at side amidships to lower edge of lowest side scuttle.)

The following information is to be given in all Cases of vessels dealt with under Paras. 11, 12 (under 15 feet Moulded depth) and under Shelter Deck Rules.

What is the thickness of the Bridge Sheerstrake?  Strake between Main and Bridge Sheerstrakes?

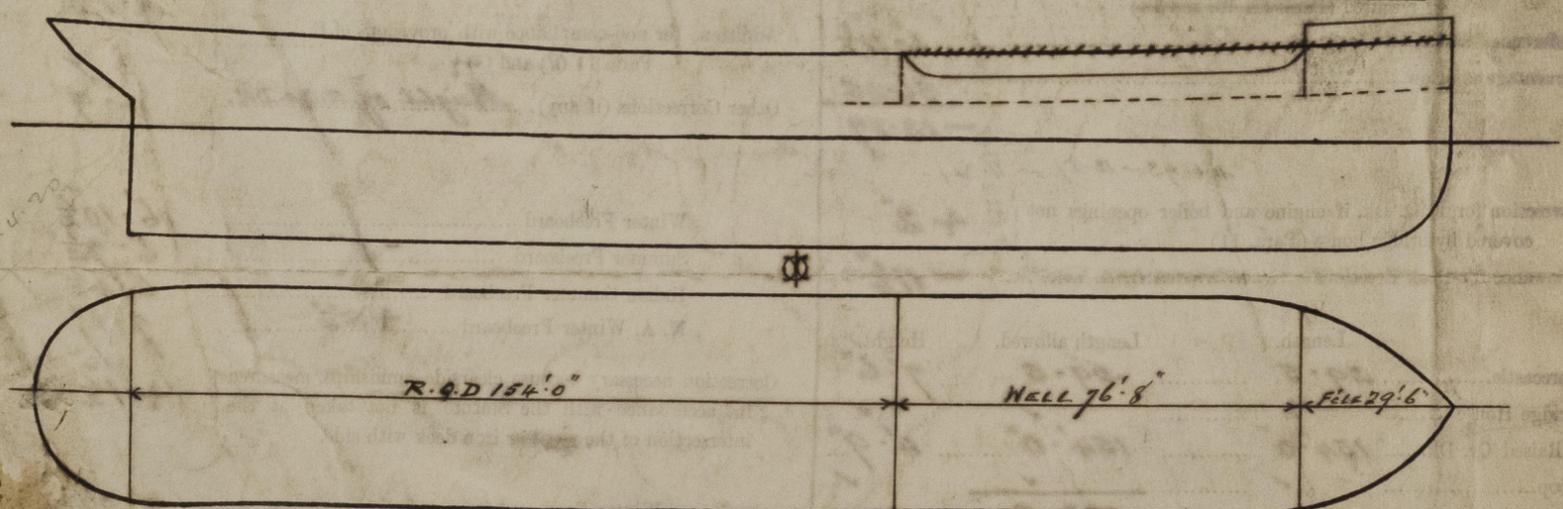
Delete the words  The Crew *are, are not*, berthed in the bridge house.  
 that do not apply  The arrangements to enable them to get backwards and forwards from their quarters *are, are not* satisfactory.

Length of Bulwarks in well *76' 66"*

Area of Freeing Ports required by Para. 11 (e) each side of vessel = *15' 33"* Sq. ft.

Ft.	Tenths.	Ft.	Tenths.	No.	} Freeing Ports (each side of vessel) =	<i>16' 50"</i> <i>3' 26"</i> Sq. ft.
<i>2</i>	<i>75</i>	<i>1</i>	<i>5</i>	<i>4</i>		
<i>(OVAL)</i>	<i>2</i>	<i>5</i>	<i>1</i>	<i>1</i>		

Total deficiency or excess = *4' 43"* Sq. ft.



Show hereon line of Floors or Tank Top with position of any Breaks in same; also height of Peak Tank tops, &c., &c.

State any special features in the construction of the Vessel *The S.S. "Taux" No 289, Sld Rpt No 27758, is a sister vessel. The Midship Section & Profile are enclosed for reference.*

Owners   
 Address

Fee £ *3 : 3 : 0* Received by me  *4/5/2011*

